




INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Complete if Known</i>					
				Application Number		09/910059		11000 U.S. PTO 09/910059  07/23/01	
				Filing Date					
				First-Named Inventor		Clive Graham COPLEY			
				Group Art Unit					
				Examiner Name		ATTALP 42 # 1 1/2			
Sheet	1	of	3	Attorney Docket Number		1991-209			
U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY				
		Number	Kind Code (if known)						
FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶		
		Office	Number	Kind Code (if known)					
LA	AA	EP	633,029		Cancer Research Campaign Technology Ltd.	10-11-1995			
↓	AB	WO	95/15341		Cancer Research Campaign Technology Ltd.	06-08-1995			
	AC	WO	96/11013		Immunomedics	04-18-1996			
↓	AD	WO	92/01059		Celltech Ltd.	01-23-1992			
LA	AE	WO	94/25585/		Genpharm International Inc.	11-10-1994			
Examiner Signature					Date Considered	4/24/03			

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code.

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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				Group Art Unit	
				Examiner Name	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
LN	AF	Abraham, "Screening and kinetic analysis of recombinant anti-CEA antibody fragments," <i>Journal of Immunological Methods</i> , 183, 1995, pp. 119-125, Elsevier Science B.V.			
	AG	Accolla, "Monoclonal antibodies specific for carcinoembryonic antigen and produced by two hybrid cell lines," <i>Proc. Natl. Acad. Sci.</i> , 77, 1980, pp. 563-566			
	AH	Banjo, "Intermolecular heterogeneity of the Carcinoembryonic Antigen," <i>Cancer Research</i> , 34, August 1974, pp. 2114-2121			
	AI	Chandrasekaran, "Isolation and Structures of the Oligosaccharaide Units of Carcinoembryonic Antigen," <i>The Journal of Biological Chemistry</i> , 258, 1983, pp. 7213-7222, U.S.A.			
	AJ	Chournoyer, "Transcription of Genes of the Carcinoembryonic Antigen Family in Malignant and Nonmalignant Human Tissues," <i>Cancer Research</i> , 48, 1988, pp. 3153-3157			
	AK	Durbin, "An epitope on carcinoembryonic antigen defined by the clinically relevant antibody PR1A3," <i>Proc. Natl. Acad. Sci.</i> , 91, 1994, pp. 4313-4317			
	AL	Haggarty, "Epitopes of Carcinoembryonic Antigen Defined by Monoclonal Antibodies Prepared from Mice Immunized with Purified Carcinoembryonic Antigen or HCT-8R Cells," <i>Cancer Research</i> , 46, 1986, pp. 300-309			
	AM	Hammarstrom, "Antigenic Sites in Caracinoembryonic Antigen," <i>Cancer Research</i> , 49, 1989, pp. 4852-4858			
	AN	Hansen, "Characterization of Second-Generation Monoclonal Antibodies Against Carcinoembryonic Antigen," <i>Cancer</i> , 71, June 1993, pp. 3478-3485			
	AO	Hedin, "Specificities and binding properties of eight monoclonal antibodies against carcinoembryonic antigen," <i>Molecular Immunology</i> , 19, 1982, pp. 1641-1648, Pergamon Press Ltd., U.K.			
CA	AP	Hefta, "Expression of Caracinoembryonic Antigen and Its Predicted Immunoglobulin-like Domains in HeLa Cells for Epitope Analysis," <i>Cancer Research</i> , 52, October 1992, 5647-5655			
Examiner Signature				Date Considered	4/24/03

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				Examiner Name	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
LH	AQ	Konstadoulakis, "The Presence of Anti-Carcinoembryonic Antigen (CEA) Antibodies in the Sera of Patients with Gastrointestinal Malignancies," <i>Journal of Clinical Immunology</i> , 14, 1994, pp. 310-313			
	AR	Kuroki, "Purification and Characterization of Carcinoembryonic Antigen-related Antigens in Normal Adult Feces," <i>Cancer Research</i> , 41, February 1981, 713-718			
	AS	Kupchik, Monoclonal Antibodies to Carcinoembryonic Antigen Produced by Somatic Cell Fusion," <i>Cancer Research</i> , 41, September 1981, pp. 3306-3310			
	AT	Oikawa, "Primary Structure of Human Carcinoembryonic Antigen (CEA) Deduced from cDNA Sequence," <i>Biochemicals and Biophysical Research Communications</i> , 142, 1987, pp. 511-518			
	AU	Rogers, "Somatic-Cell Hybrids Producing Antibodies Against CEA," <i>Br. J. Cancer</i> , 43, 1981, pp. 1-4			
	AV	Thomas, "A Peptide Sequence on Carcinoembryonic Antigen Binds to a 80kD Protein on Kupffer Cells," <i>Biochemicals and Biophysical Research Communications</i> , 188, 1992, pp. 671-677			
	AW	D. Blakely et al., "Anti-tumour effects of an antibody-carboxypeptidase G2 conjugate in combination with phenol mustard prodrugs," <i>British Journal of Cancer</i> , Nov. 1995, pages 1083-1088, Vol. 72, No. 5, Basingstoke, GB			
	AX	M. Michael et al., "In vitro and in vivo characterization of a recombinant carboxypeptidase G2:anti-CEA scFv fusion protein," <i>Immunotechnology</i> , 1996, pages 47-57, vol. 2, no. 1, Amsterdam, NL.			
	AY	S. Leung et al., "Bacterial expression of a keptide fusion protein facilitates 32P labeling of a humanized, anti-carcinoembryonic antigen (hMN-14) antibody fragment," <i>Cancer Research</i> , Dec. 1, 1995, pages 5968S-5972S, vol. 55, no. 23, suppl., Baltimore, MD, USA			
	AZ	K. Bosslet et al., "Tumor-selective prodrug activation by fusion protein-mediated catalysis," <i>Cancer Research</i> , April 1, 1994, pages 2151-2159, vol. 54, no. 7, Baltimore, MD, USA			
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